

CLAIMS:

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1. An Intraluminal device comprising:
an elongated body member, the elongated body
member having a plurality of independent inflatable
5 sections along the length of the body member; and
means for independently inflating each individual
inflatable section.

A1 7 2. The device of claim 1 wherein the body
member is a sleeve which is adapted to fit over an existing
intraluminal tool

3. The device of claim 2 wherein the means for
independently inflating each inflatable section includes
individual fluid lines extending from each inflatable
section to a distal end of the body member.

INS A2 A1 7 4. The device of claim 3 further including at
least one tube positioned between adjacent inflatable
sections and extending to a distal end of the body member,
wherein the tube is adapted to be selectively attached to
5 a suction source or a fluid supply source.

5. The device of claim 4 further including at
least one optical scope positioned between adjacent
inflatable sections and extending to a distal end of the
body member.

6. The device of claim 1 wherein the means for
independently inflating each inflatable section includes
individual fluid lines extending from each inflatable
section to a distal end of the body member.

7. The device of claim 6 further including at
least one tube positioned between adjacent inflatable
sections and extending to a distal end of the body member,

wherein the tube is adapted to be selectively attached to a suction source or a fluid supply source.

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8. The device of claim 7 further including at least one optical scope positioned between adjacent inflatable sections and extending to a distal end of the body member.

9. The device of claim 8 further including a control panel, wherein each fluid line, tube and optical scope is attached to the control panel.

10. The device of claim 1 further including at least one tube positioned between adjacent inflatable sections and extending to a distal end of the body member, wherein the tube is adapted to be selectively attached to a suction source or a fluid supply source.

11. The device of claim 1 further including at least one optical scope positioned between adjacent inflatable sections and extending to a distal end of the body member.

12. The device of claim 1 wherein individual inflatable sections are adapted to conform to specific anatomical structures.

13. The device of claim 1 wherein each inflatable section is generally a cylindrical shape.

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14. A method of manipulating a lumen during surgical or diagnostic procedures comprising the steps of: inserting a body member having a plurality of independent inflatable sections into the lumen; and

selectively inflating independent sections of the body member to manipulate the lumen.

15. The method of claim 14 wherein at least one tube is provided between adjacent inflatable sections and further comprising the step of supplying a medium through the tube to the lumen between inflated balloon sections.

16. The method of claim 14 wherein at least one tube is provided between adjacent inflatable sections and further comprising the step of providing suction to the lumen through the tube.

17. The method of claim 14 wherein at least one scope is provided between adjacent inflatable sections and further comprising the step of inspecting the lumen through the scope.

18. An intraluminal surgical and diagnostic device comprising:

an intraluminal body member having a series of independently inflatable/deflatable balloon sections along the length of the body member; and

at least one inflating/deflating line extending along the body member from each balloon section to a distal end of the body member.

19. The device of claim 18 further including a suction tube extending from a leading end of the body member to the distal end of the body member.

AB7 20. The device of claim 19 further including at least one tube extending from between adjacent balloon sections to the distal end of the body member.